



Alexandru Ioan Cuza University of IAȘI
Faculty of Geography and Geology



XX-th edition

International Conference

Present Environment and Sustainable Development

13-15 June, Iași

Envirogis Association

Alexandru Ioan Cuza University of IAȘI

Faculty of Geography and Geology

Department of Geography



Organizers



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Programme

Friday – 13 June 2025

8:00 – 9:20 - Participants registration

Alexandru Ioan Cuza University of Iași, B wing, 3rd floor at Faculty of
Geography and Geology, Geography Department

9:30 – 10:25 – Official opening:

Assoc. prof. PhD. **Adrian URSU**, Dean of the Faculty of Geography and Geology

Assoc. prof. ing. habil. PhD. **Lilian NIACȘU** Vice-Rector for Teaching and Research
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Assoc. prof. **Gheorghe JIGĂU** PhD, State University of Republic of Moldova

Assoc. prof. **Petru BACAL** PhD, Institute of Ecology and Geography, Ministry of
Education and Research, Chișinău, Republic of Moldova

10:30 – 11:50 – Plenary presentations

12:00 – 13:00 – Lunch break

13:00 – 15:30 – Thematic Presentations

15:30 – 16:00 – Coffe break

16:00 – 18:00 – Thematic Presentations

18:30 – 21:30 – Dinner



Saturday and Sunday – 14-15 June 2025

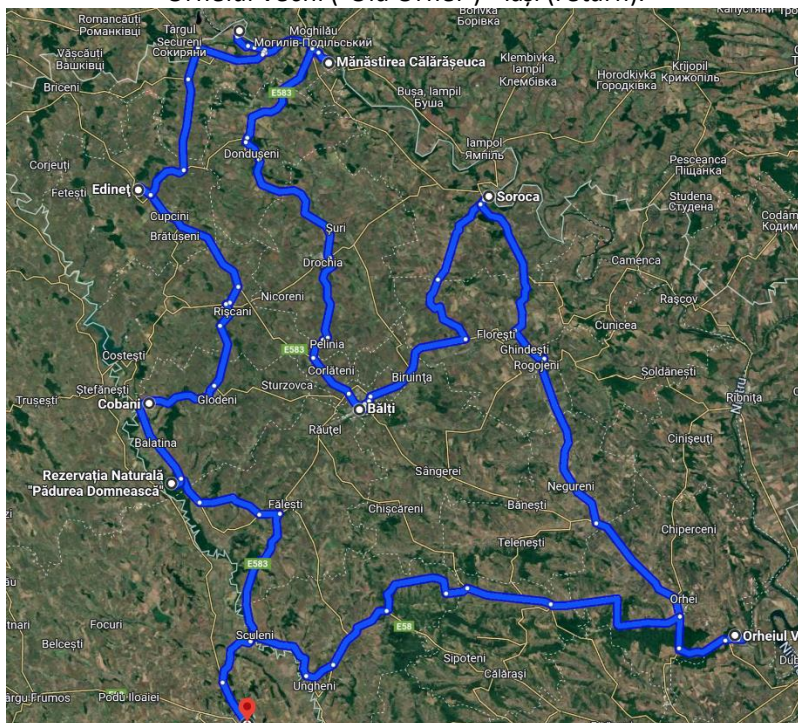
Field application in Republic of Moldova

Departure 8:15 Corp B UAIC

A cross-border field application will be organised during the Present Environment and Sustainable Development International Conference, aiming to explore geographical, ecological, cultural, and religious points of interest in the northern Republic of Moldova. This activity offers participants the opportunity to analyse aspects related to environmental protection, biodiversity, sustainable development, and the valorisation of natural and cultural heritage in the field.

The application itinerary includes the following points:

Iași - "Pădurea Domnească" Natural Reserve ("The Princely Forest" Natural Reserve) – Cobani – Edineț – Naslavcea - Călărășeuca Monastery – Bălți – Soroca - Orheiul Vechi ("Old Orhei") - Iași (return).



Field trip itinerary



Plenary Session

Ora: 10:30

Sala B8

Chairman: Assoc. prof. Gheorghe JIGĂU

Authors	Affiliation	Title
1. Gaea TEMNEANU Florin POENARU Alina-Nicoleta LEAHU Elena-Tereza MINEA Geanina SINGHEL	ANMAP - Directia Județeană de Mediu Iași, Iași	Calitatea aerului în județul Iași
2. Răzvan DEJU ¹ Ioana ZAIȚ ^{1,2}	¹ The National Agency for Environment and Protected Areas, Iași, Romania ² "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania	Reintroducerea zimbrului în România - provocări, dificultăți realizări majore
3. Gheorghe JIGĂU ¹ Sergiu DOBROJAN ² Galina DOBROJAN ³ Eugeniu SPRÎNCEAN ⁴	¹ Scientific Research Laboratory Pedogenetic Processes, Chisinau, Republic of Moldova ² SRL Algology V. Salaru, Moldova State University ³ Office Inovation and Tehnological Transfer, Moldova State University ⁴ SRL Schit Agromex, Hirtopul Mic village, Republic of Moldova	Supporting the applicative concept of complex biotechnology for the management of climate resilience of soils within agrophytocenoses vulnerable to climate change
4. Doru-Toader JURAVLE ¹ Dumitru BULGARIU ² Mădălina PLĂȚICĂ ³	¹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² Department of Geology, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania; ³ "Gheorghe Asachi" Technical University of Iași	Paleogeographic reconstructions: limitations and challenges
5. Petru BACAL Daniela BURDUJA	Institute of Ecology and Geography, Moldavian State University	Realizări, probleme și oportunități în dezvoltarea sistemelor publice de aprovizionare cu apă în regiunea de sud a Republicii Moldova



Session 1

Atmospheric Environment and Climate Change

Time: 13:00 – 18:00

Class: B8

Chairman: Assoc. prof. Dumitru MIHĂILĂ; Lect. univ. PhD Csaba HORVATH; Lect. PhD. Pavel ICHIM

1.	Pavel ICHIM ¹ Lucian SFÎCĂ ¹ Petruț-Ionel BISTRICEAN ² Claudiu-Ștefănel CREȚU ¹ Robert HRIȚAC ¹ Robert-Sebastian ȚURCANU ¹	¹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² Ștefan cel Mare University, Suceava, Romania	Identification of cold/hot spots through mobile measurements during warm season in main urban areas from North-Eastern Romania and their relation with morphometry and impervious density
2.	Lucian SFÎCĂ Robert HRIȚAC Mădălina MEGA Pavel ICHIM Iuliana-Gabriela BREABĂN Lilian NIACȘU	Department of Geography, Faculty of Geography and Geology, University	Rainfall erosivity main features and their associated synoptic conditions in North-Eastern Romania
3.	Adina-Eliza CROITORU ¹ Zsolt MAGYARI-SASKA ¹ Valentina-Ancuta STOIAN ² Aurelia DIACONU ³ Alina PARASCHIV ³ Vlad STOIAN ² Csaba HORVATH ¹	¹ Babes-Bolyai University, Faculty of Geography, Cluj-Napoca, Romania ² University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania ³ Research and Development Station for Plant Culture on Sandy Soils Dăbuleni, Romania	Climatic suitability of Ipomoea batatas [L.] Lam in South-eastern Europe under climate change conditions. Case study: Romania
4.	Csaba HORVATH ¹ Zsolt MAGYARI-SASKA ¹ Adina-Eliza CROITORU ¹ Sorin POP ²	¹ Babes-Bolyai University, Faculty of Geography, Cluj-Napoca, Romania ² Indeco Soft	Assessing residential suitability in Bistrița using climate and air quality data
5.	Dumitru MIHĂILĂ ^{1,2,3} Andrei MIHALACHE ^{2,3} Elena POP (MEDEI) ^{2,3} Petruț-Ionel BISTRICEAN ^{1,2} Gina-Liliana ANDREI (LAZURCĂ) ²	¹ Departamentul de Geografie, Facultatea de Istorie, Geografie și Științe Sociale, Universitatea "Ștefan cel Mare" din Suceava ² Centrul de Cercetare în Geografie Aplicată (GEA-USV), Romania ³ Școala doctorală de Științe aplicate și Inginerești, domeniul de doctorat Geografie, Universitatea "Ștefan cel Mare" din Suceava	Comparative spatial-temporal analysis of SPI and SPEI for the territory between the Carpathians and the Dniester



6.	Elena-Aurelia ȚENE Nicoleta IONAC	University of Bucharest, Faculty of Geography, Bucharest, Romania	The representativeness of the Bucharest Băneasa and Bucharest Filaret meteorological stations as expressed through the quality of air temperature data <i>-Online-</i>
7.	Robert-Sebastian ȚURCANU Pavel ICHIM Lucian SFÎCĂ	Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Urban heat mitigation strategies modeled with ENVI-met: green and shading scenarios for Ștefan cel Mare Boulevard
8.	Aurelian-Nicolae ROMAN	Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Turismul, schimbările climatice și impactul asupra recifilor din Marea Roșie
9.	Alina NISTOR (MARCU) ^{1,2} Bogdan NISTOR ^{2,3} Dumitru MIHĂILĂ ^{4,2,1} Petruț-Ionel BISTRICEAN ^{4,2}	¹ Școala doctorală de Științe aplicate și Inginerești, domeniul de doctorat Geografie, Universitatea "Ștefan cel Mare" din Suceava ² Centrul de Cercetare în Geografie Aplicată (GEA-USV), Romania ³ Școala Gimnazială Nr. 4 Suceava, Romania ⁴ Departamentul de Geografie, Facultatea de Istorie, Geografie și Științe Sociale, Universitatea "Ștefan cel Mare" din Suceava	Nivelurile de radon în aria metropolitană Suceava
10.	Olga CRIVOVA Ghennadi SIRODOEV Aureliu OVERCENCO	Moldova State University, Institute of Ecology and Geography, Chisinau, Republic of Moldova	Using the Angot pluviometric index (k) to assess precipitation-induced vulnerability to geomorphological hazards <i>-Online-</i>
11.	Rodica COJOCARI Mihail GRIGORAȘ Lidia TREȘCILO Viorica ȚURCANU	Moldova State University, Institute of Ecology and Geography, Chisinau, Republic of Moldova	Analysis of the thermal regime in the Ialpug River Basin (1961-2025): Spring 2025 in the context of climate change
12.	Antonia BELDEAN Adina-Eliza CROITORU	Universitatea Babeș-Bolyai, Facultatea de Geografie, Cluj-Napoca, România	Analiza spațio-temporală a fenomenului de grindină în România
13.	Robert HRITAC ¹ Iuliana-Gabriela BREABĂN ^{1,2,3} Lucian SFÎCĂ ² Pavel ICHIM ²	¹ "Alexandru Ioan Cuza" University of Iasi, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania; ² "Alexandru Ioan Cuza" University of Iasi, Faculty of Geography and Geology, Department of Geography, Romania; ³ Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department	Winter urban microclimates: assessing thermal discomfort in a warming climate



14. Viorica ȚURCANU Ilie BOIAN Rodica COJOCARI	Moldova State University, Institute of Ecology and Geography, Chisinau, Republic of Moldova	Space-time regime of solar radiation on the territory of the Republic of Moldova
15. Viorica ȚURCANU Rodion DOMENCO	Moldova State University, Institute of Ecology and Geography, Chisinau, Republic of Moldova	The relationship between the Standardized Precipitation Index (SPI) and thermal anomalies in Southern Moldova: a case study of the Ialpug River Basin
16. Vasiliică ISTRATE ^{1,2} Serghei EREMEICO ² Lucian-Ionuț LAZĂR ¹ Dragoș-Andrei SÎRBU ² Eduard POPESCU ² Emil SÎRBU ² Doru-Dorian POPESCU ²	¹ "Alexandru Ioan Cuza" University of Iasi, Faculty of Geography and Geology, Department of Geography, Romania ² Interventii Active in Atmosferă SA, Bucharest, Romania	Assessing hail suppression in Romania: a dual-study analysis of cloud seeding effects using radar data



Session 2

Water quality and management Risks assessment

Hour: 13:00 – 18:00

Class: 629

Chairman: Prof. dr. habil. ing Iuliana-Gabriela BREABĂN; Prof. dr. ing. Mihail LUCA;
Asist. dr. Oana-Elena CHELARIU

1.	Mihail LUCA Petru-Daniel BRĂNIANU Nicolae MARCOIE	Technical University „Gheorghe Asachi” of Iași, Iași	Research on the degradation of bank protection works on mountain rivers
2	Ionuț MINEA ¹ Oana-Elena CHELARIU ¹ Marina IOSUB ¹ Daniel BOICU ²	¹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² Alexandru Ioan Cuza" University from Iași, Mădărjac Research Station, ICI - RECENT AIR - RA07	Impact of groundwater resources on social vulnerability in Eastern Romania
3	Angela CANȚĂR Aliona BOTNARI	Moldova State University, Institute of Ecology and Geography	Rainfall aggressiveness as a determining factor of erosion processes in the Calintir river basin
4	Emilia GÎRBEA ¹ Liliana ZAHARIA ²	¹ Doctoral School "Simion Mehedinți", University of Bucharest, Faculty of Geography, Romania ² University of Bucharest, Faculty of Geography, Romania	Observed Trends in Maximum Streamflow in the Ialomița River Catchment, Romania (1961–2020) <i>-Online-</i>
5	Daniela POPESCU ^{1,2}	¹ IGAR - Institutul de Geografie al Academiei Romane, Bucuresti, Romania ² INHGA - Institutul National de Hidrologie si Gospodarie a Apelor, Bucuresti, Romania	Reviewing LisFlood's role in flood and drought management
6	Iuliana-Mihaela MUNTEANU ¹ Andrei ENEA ¹ Adrian URSU ¹ Aurelian-Nicolae ROMAN ¹ Ionuț-Costel CODRU ²	¹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² Alexandru Ioan Cuza University of Iași, Research Center with Integrated Techniques for Atmospheric Aerosol Investigation in Romania (RECENT-AIR) Iași, Romania	Combining scripting and satellite imagery to enhance understanding of drought temporal and spatial distribution



7	Valentina-Mariana MANOIU Bogdan OLARIU Mihnea-Ștefan COSTACHE Miruna-Amalia NICA	Faculty of Geography, University of Bucharest, Romania	Can we use Web of Science information, GIS and satellite imagery to highlight the negative impact of Russian aggression against Ukraine on water quality and pollution? A provocative review
8	Mihail LUCA Ioana (MEREUTA) AGAPIE Daniel TOMA	Technical University „Gheorghe Asachi” of Iasi, Iasi	Research on the structural evolution of small earth dams during the operation period
9	Petronel Ionuț ROMANESCU Mihail LUCA Daniel TOMA	Technical University „Gheorghe Asachi” of Iasi, Iasi, Faculty of Hydrotechnics, Geodesy and Environmental Engineering	Research on the delimitation of minor riverbeds for lowland rivers
10	Viorel CĂLINESCU Cătălina ITICESCU Lucian GEORGESCU	Faculty of Sciences and Environment, "Dunărea de Jos" University of Galați, Galați, Romania	Integrating smart waste collection in Tecuci Municipality: a behavioral study on user response and adaptation
11	Veronica RAILEAN	Moldova State University, Institute of Ecology and Geography, Chisinau, Republic of Moldova	Indicatori de performanță pentru sectorul de alimentare cu apă și sanitație din Republica Moldova: bune practici internaționale
12	Isabela-Elena BALAN ¹ Ionel-Sorin Rîndașu BEURAN ² Claudiu-Ionuț PRICOP ¹	¹ Water Basinal Administration Prut-Barlăd, Iasi, Romania ² National Administration Romanian Waters, Bucharest, Romania	Analysis of the flood produced on the Vameș River and the breach of the Potîrnichea Dam, Galați county, Romania
13	Claudiu-Ionuț PRICOP ¹ Isabela-Elena BALAN ¹ Silvia POPA ²	¹ Water Basinal Administration Prut-Barlăd, Iasi, Romania ² Water Basinal Administration Siret, Bacău, Romania	Aspects regarding flood occurrence. Case study: Geru river, Romania, Galați county, Romania



Session 3

Environmental Geography Urban Planning Soil quality

Hour: 13:00 – 18:00

Class: 627

Chairman: Assoc. prof. Adrian URSU; Lect. Alexandru BĂNICĂ; Lect dr. Vasile JITARIU

1	Dumitru BULGARIU ^{1,2} Constantin RUSU ² Laura BULGARIU ³ Adrian URSU ¹	¹ Department of Geology, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² Academia Română, Filiala Iași, Centrul de Cercetări Geografice, Iași, România ³ Universitatea Tehnică „Gheorghe Asachi” din Iași, Facultatea de Inginerie Chimică și Protecția Mediului „Cristofor Simionescu”, Iași, România	Poluarea cu materiale plastice a solurilor din municipiul Iași – considerații privind sursele, tipologia și efectele materialelor plastice asupra proprietăților solurilor
2	Raluca-Gabriela NICOARĂ ¹ Igor SÎRODOEV ^{1,2}	¹ Universitatea din Craiova, România ² Universitatea „Ovidius” din Constanța, România	Dinamica utilizării terenurilor agricole și structura fermelor din România sub influența fondurilor europene
3	Gheorghe JIGĂU ¹ Sergiu DOBROJAN ² Galina DOBROJAN ³ Eugeniu SPRÎNCEAN ⁴	¹ Scientific Research Laboratory Pedogenetic Processes, Chisinau, Republic of Moldova ² SRL Algology V. Salaru, Moldova State University ³ Office Inovation and Tehnological Transfer, Moldova State University ⁴ SRL Schit Agromex, Hirtopul Mic village, Republic of Moldova	Climate resilience of soils and agroecosystems: factors that determine it, evaluation criteria
4	Sergiu DOBROJAN ¹ Gheorghe JIGĂU ² Galina DOBROJAN ³ Victor MELNIC ⁴	¹ Office Inovation and Tehnological Transfer, Moldova State University ² Scientific Research Laboratory Pedogenetic Processes, Chisinau, Republic of Moldova ³ SRL Algology V. Salaru, Moldova State University ⁴ SRL Plant biochemistry, Moldova State University	Analysis of the quantitative impact of the application of biofertilizers from the <i>Genus Nostoc</i> on the cultivation of corn in the conditions of the Republic of Moldova
5	Amelia Anghel ¹ Daniela Trifan ² Mihaela Lungu ¹	¹ INCDPAPM - ICPA Bucuresti ² SCDA Braila	Study regarding soil salinity tolerant species and green and covering crops importance for salinized soils improvement in an experimental field



6	Dumitru BULGARIU ^{1,2}	¹ Department of Geology, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² Academia Română, Filiala Iași, Centrul de Cercetări Geografice, Iași, România	Dezechilibre chimico-mineralogice în solurile actuale - cauze și consecințe
7	Galina DOBROJAN ¹ Gheorghe JIGĂU ² Sergiu DOBROJAN ³ Victor MELNIC ⁴	¹ SRL Algology V. Salaru, Moldova State University ² Scientific Research Laboratory Pedogenetic Processes, Chisinau, Republic of Moldova ³ Office Inovation and Tehnological Transfer, Moldova State University ⁴ SRL Plant biochemistry, Moldova State University	The effects of soil fertilization with cyanobacterial biomass of the <i>Genus Nostoc</i> on sunflower culture in the conditions of the Republic of Moldova
8	Dumitru BULGARIU ^{1,2} Elena-Diana BOBRIC ^{3,4} Adrian URSU ⁴	¹ Department of Geology, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² Academia Română, Filiala Iași, Centrul de Cercetări Geografice, Iași, România ³ Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department ⁴ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Considerații privind materia organică din solurile actuale
9	Gheorghe JIGĂU ¹ Sergiu DOBROJAN ² Galina DOBROJAN ³ Eugeniu SPRÎNCEAN ⁴	¹ Scientific Research Laboratory Pedogenetic Processes, Chisinau, Republic of Moldova ² SRL Algology V. Salaru, Moldova State University ³ Office Inovation and Tehnological Transfer, Moldova State University ⁴ SRL Schit Agromex, Hirtopul Mic village, Republic of Moldova	Complex biotechnology: concept, health-pedo-regenerative approach
10	Mihai RUSU	Universitatea Tehnica Cluj-Napoca, Cluj	Sintaxa Spațiului fundament teoretic pentru crearea unui instrument de amenajare vizual-sonoră a spațiilor deschise. Studiu de caz Piața Muzeului din Cluj-Napoca -Online-
11	Nicolae BACIU Octavian-Liviu MUNTEAN Gheorghe ROSIAN Vlad MĂCICĂȘAN Viorel ARGHIUȘ	UBB Cluj, Facultatea de Știința și Ingineria Mediului, Romania	Oportunități și constrângeri în dinamica și calitatea spațiilor verzi în Zona Metropolitană Cluj-Napoca -Online-
12	Antonio-Valentin TACHE ¹ Alexandru-Ionuț PETRIȘOR ^{2,3,1} Maria-Elena PĂPĂTOIU ¹	¹ National Institute for Research and Development in Constructions, Urbanism and Sustainable Spatial Development URBAN-INCERC, Bucharest, Romania;	Implementing local nature-based solutions using artificial intelligence: the example of Bucharest, Romania -Online-



²Ion Mincu University of Architecture and Urbanism, Bucharest, Romania;

³Technical University of Moldova, Chisinau, Moldova

13	Alexandru BĂNICĂ Ionel MUNTELE Emanuel FOȘALĂU	Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	The influence of air pollution on premature mortality in Romanian metropolitan areas
14	Lucian ROȘU	Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Nature-Based Solutions and Institutional Realities: Insights from Iași Municipality's NBS Initiatives
15	Vladimir MOGÎLDEA Iurii BEJAN Andrian ȚUGULEA	Moldova State University	Considerations on the role of green infrastructure in the provision of ecosystem services in urban areas
16	Constantin-Alexandru STOIAN	"Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania	From past to future: detecting and projecting land use dynamics in Madrid's metropolitan area
17	Cristian SECU ¹ Radu PÎRNĂU ² Valeriu VÎLCU ³	¹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² Romanian Academy Iasi Branch ³ Grigore Moisil Iasi Computer Science High School	Pedodiversity of Romania's geographical regions and relief units



Session 4

Biodiversity Loss and Conservation Strategies

Hour: 13:00 – 18:00

Class: 662

Chairman: Assoc. prof. Petru BACAL; Assoc. prof. Cristian-Constantin STOLERIU; Lect. dr. Andrei ENEA

1	Valentina ANDRIUCĂ	Technical University of Moldova	Agroecological components regarding the sustainable use of natural resources in the southern agricultural area of the Republic of Moldova
2	Anca MĂCIUCĂ ¹ Ionuț BARNOAIEA ¹ Aura BUZILĂ ²	¹ Facultatea de Silvicultură, Suceava, România ² Ocolul Silvic Gura Humorului	Analysis of the forest edges located in Suceava County within Călimani National Park, with the aim of preserving and improving biodiversity <i>-Online-</i>
3	Vadim CUJBA ¹ Rodica SÎRBU ²	¹ Institute of Ecology and Geography of the State University of Moldova, Chisinau, Republic of Moldova ² Technical University of Moldova, Chisinau, Republic of Moldova	An entropic approach for calculating the Human Development Index (HDI) in rural communities: a case study on Ștefan Vodă, Republic of Moldova
4	Ionuț-Alexandru IORGA Oana ZAMFIRESCU Irina-Neta GOSTIN	"Alexandru Ioan Cuza" University of Iași, Faculty of Biology	New data regarding the comparative stem anatomy of <i>Ambrosia artemisiifolia</i> L. individuals from different habitats
5	Foléga FOUSSÉNI ¹ Bawa Demirel MAZA-ESSO ^{1,2} Atakpama WOUYO ¹ Badjaré BILOUKTIME ¹ Jasmina ŠINŽAR-SEKULIĆ ² Wala KPERKOUA ¹ Batawila KOMLAN ¹ Akpagana KOFFI ¹	¹ Laboratory of Botany and Plant Ecology, Department of Botany, Faculty of Sciences, University of Lomé, Lomé-Togo 01 BP 1515, Togo ² University of Belgrade, Faculty of Biology, Institute of Botany and Botanical Garden "Jevremovac" Takovska 43, 11000 Belgrade, Serbia	Floristic diversity and assessment of the conservation status of Togo's plant species <i>-Online-</i>
6	Paul Narcis VIERU	Agenția Națională pentru Mediu și Aree Protejate	Identification and evaluation of natural landscapes and of areas with landscape potential in Botoșani County
7	Ionuț-Alexandru IORGA ¹ Petru-Mihai CRISTODULO ² Iuliana-Gabriela BREABĂN ² Oana ZAMFIRESCU ¹	¹ "Alexandru Ioan Cuza" University of Iași, Faculty of Biology, Iași, Romania ² "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Department of Geography, Romania	A preliminary investigation into the design of a propagation scenario for <i>Ambrosia artemisiifolia</i> L. utilizing GIS techniques
8	Valentina ANDRIUCĂ	Technical University of Moldova	Specific characteristics of sustainable



Rodica MELNIC

management of natural resources in the Southern Development Region of the Republic of Moldova

9	Viorica ȚURCANU ¹ Viorel PARASCHIV ²	¹ Moldova State University, Institute of Ecology and Geography, Chisinau, Republic of Moldova ² Liceul Tehnologic Economic de Turism, Iași	Climatic parameter trends over the last two decades in Southern Moldova and their impact on local agricultural systems
10	Svetlana BACAL Galina BUȘMACHIU	Institute of Zoology, Moldova State University, Chișinău, Republic of Moldova	Coleoptera attracted to light traps in the Orhei National Park
11	Claudia-Georgiana OȚEL	Universitatea din Craiova, Școala Doctorală de Științe, Domeniul Geografi	Recent dynamics of the forest areas in Neamț County: key issues and a sustainable development approach <i>-Online-</i>
12	Adrian-George ISTRATE ^{1,2} Iuliana-Gabriela BREABĂN ^{1,3,4} Pavel ICHIM ³ Adrian URSU ³	¹ "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania; ² RNP Romsilva Putna Vrancea Natural Park Administration, Vrancea, Romania; ³ "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Department of Geography, Romania; ⁴ Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department	Assessing the Influence of abiotic factors on forest ecosystem distribution through ecological suitability classes: Case study Putna-Vrancea Natural Park
13	Marius ADUMITROAEI ¹ Ioana ZAIT ^{1,2} Iuliana-Gabriela BREABĂN ^{1,3,4} Răzvan DEJU ²	¹ "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania ² ANANP, Iași Territorial Service, Iași ³ "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Department of Geography, Romania ⁴ Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department	Evaluation of vegetation patterns in the Bârnova-Repedea Forest using satellite imagery and GIS Forest Inventory Data
14	George PASCAL	"Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania	Integrating cultural values into the project of the Lower Prut Floodplain Natural Park



Session 5

Sustainable Development Environmental Policies

Hour: 13:00 – 18:00

Class: 664

Chairman: Lect.dr. Alexandru RUSU; Lect. dr. Oana-Mihaela STOLERIU

1.	Alexandra VRÎNCEANU Odelin TALABĂ Monica DUMITRAȘCU Ines GRIGORESCU	Institute of Geography, Romanian Academy, Bucharest	Assessing the wind energy expansion potential in Romania <i>-Online-</i>
2.	Carmen BOICIUC ¹ Dumitru MIHĂILĂ ² Petruț-Ionel BISTRICEAN ¹ Francesca CHIRILOAEI ¹ Andrei MIHALACHE ²	¹ Department of Geography, Doctoral School of Applied and Engineering Sciences, Research Center in Applied Geography (GEA-USV), Ștefan cel Mare University of Suceava ² Department of Geography, Research Center in Applied Geography (GEA-USV), Ștefan cel Mare University of Suceava	Balneoclimatic and outdoor tourism in Vatra Dornei in the perception of tourists and locals
4.	Alexandru-Sabin NICULA ¹ Luminița CHIVU ² Lucian-Liviu ALBU ³ Ana-Maria CIOBOTARU ⁴ Radu-Daniel PINTILII ⁵ Marian MARIN ⁵	¹ Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C.Kirițescu", Institute for Economic Forecasting ² Romanian Academy, National Institute for Economic Research "Costin C.Kirițescu" ³ Romanian Academy, Institute for Economic Forecasting ⁴ Gheorghe Balș Technical College, Adjud, Romania ⁵ University of Bucharest, Faculty of Geography, Bucharest, Romania	Green Jobs and labour market shortages in the European Union: a sustainable pathway aligned with SDG 8 <i>-Online-</i>
5.	Oana-Mihaela STOLERIU ¹ Teodora-Georgiana MIHĂILĂ ² Ioana IRIMESEI ¹	¹ "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Department of Geography, Romania ² "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania	National and natural parks in Romania - online image and experiences



6. Alexandru RUSU ¹ Nicolae POPA ² ,	¹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² UVT, Timișoara, Romania	Territorial context and spatial interactions - a case study on the Erasmus K1 mobility datasets
7. Alexandru RUSU ¹ Octavian GROZA ¹ Nicolae POPA ²	¹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² UVT, Timișoara, Romania	Geopolitical, social and military crises affecting the academic environment - a world scale typology of AUF universities
8. Octavian GROZA ¹ Alexandru RUSU ¹ Sorina VOICULESCU ²	¹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² West University of Timișoara, Timișoara, Romania	Social environment and missing persons in Romania. A geographical analysis
10. Ana-Maria CIOBOTARU ¹ Alexandru-Sabin NICULA ² Emanuela-Adina NICULA ³ Radu-Daniel PINTILII ⁴ Marian MARIN ⁴	¹ Gheorghe Balș Technical College, Adjud, Romania ² Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C. Kirițescu", Institute for Economic Forecasting. ³ Mountain Economy Center, National Institute for Economic Research "Costin C. Kirițescu", Romanian Academy ⁴ University of Bucharest, Faculty of Geography, Bucharest, Romania	Driving Sustainable Growth: The role of green jobs in Europe's economic and social transformation <i>-Online-</i>
11. Mihai BULAI ¹ Aleksanyan GOR ²	¹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² Yerevan State University, Erevan, Armenia	The capacity of emerging Destination Management Organisations to implement sustainable tourism in post-communist countries. Case Study: Romania & Armenia



Poster Session

Hour: 10:00 – 18:00

Department of Geography Hall

Chairman: Asist. Dr. Marina IOSUB; Res. Diana-Elena BOBRIC; Laboratory technician Alexandra-Petronela STOLERIU

1. Biodiversity monitoring, Environment Protection

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| 1. Alexandru BERZOVAN ¹
Emanuel BALTAG ²
Ana DAVIDEANU ³
Grigore DAVIDEANU ³
Mihai DIAC ⁴
Carmen GACHE ⁵
Ines GAVRILUȚ ⁶
Adina HULUBAȘ ⁷
Irina IRIMIA ⁸
Andrei-Cosmin OLARIU ⁹
Irina POCORA ¹⁰
Viorel POCORA ¹⁰
Ciprian POLENSCHI ⁴
Irinel E. POPESCU ⁵
Adriana POSTOLACHE
Dan-Laurențiu STOICA ¹¹
Cristian-Constantin STOLERIU ⁹
Alexandru STRUGARIU ¹²
Ștefan ZAMFIRESCU ⁵ | ¹ Institutul de Arheologie Iași;
² Stațiunea Biologică Marină "Prof. Dr. Ioan Borcea" Agigea;
³ Muzeul de Istorie Naturală;
⁴ Asociația "Codrii Iașilor";
⁵ Faculty of Biologie, University "Alexandru Ioan Cuza" of Iași, Romania;
⁶ Asociația "Bruno Manser Fonds", Basel, Elveția;
⁷ Institutul de Filologie Română "A. Philippide" al Academiei Române, Filiala Iași;
⁸ Herbarul Universității "Alexandru Ioan Cuza" din Iași;
⁹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania;
¹⁰ Centrul pentru Cercetarea și Conservarea Liliiecilor;
¹¹ Garda națională de mediu, Comisariatul județean Iași;
¹² Centrul de Studii Interdisciplinare | Codrii Iașilor - Natural Park designation: from civil initiative to scientific substantiation |
| 2. Anișoara STRATU ¹
Iuliana Ghibanu ²
Irina IRIMIA ¹ | ¹ "Alexandru Ioan Cuza" University of Iasi, Faculty of Biology
² Secondary school "Theodor Rosetti", Solești locality, Vaslui county | Taxa with ornamental value: potential benefits for the urban environment |
| 3. Constantin ION ¹
Cristian-Constantin STOLERIU ²
Adrian URSU ² | ¹ "Alexandru Ioan Cuza" University of Iasi, Faculty of Biology, Iasi, Romania
² Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania | Estimation of biodiversity level in proximity of Natura 2000 sites, using land use-land cover data |

2. G.I.S and Remote Sensing in Environmental Studies

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| 4. Angela CANȚĂR | Moldova State University, Institute of Ecology and Geography | A profile graph as a visual aid in description and interpretation of relief characteristics. Case study - Ialpuș river basin, Republic of Moldova |
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5. Daniel CONDORACHI	Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Influenta factorului geologic asupra morfometriei bazinelor hidrografice de ordin inferior din grupa centrala a Carpaților Orientali
6. Iuliana-Gabriela BREABĂN ^{1,2,3} Andreea-Florina STOLERIU ² Alexandra-Petronela STOLERIU ^{1,3} Elena-Diana BOBRIC ^{1,3}	¹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² University "Alexandru Ioan Cuza" of Iași, Romania, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania ³ Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department	Advancing vegetation and water quality monitoring using Sentinel-2: a bibliometric evaluation
7. Alexandra-Petronela STOLERIU ^{1,2} Andreea-Florina STOLERIU ³ Iuliana-Gabriela BREABĂN ^{1,2,3} Marian-Daniel BURUIANĂ ⁴	¹ "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Department of Geography, Romania; ² Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department; ³ "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania; ⁴ Prut Barlad Water Basin Administration	Using Sentinel-2 band combinations for optimized water quality monitoring in inland lake
8. Denisa-Ștefania BOGDAN	"Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania	Monitorizarea fluctuațiilor suprafețelor acvatice în ani secetoși utilizând date Sentinel-1 și Sentinel-2. Studiu de caz: lacurile de acumulare Galbeni, Răcăciuni și Berești, județul Bacău
9. Bogdan-Ionuț PLEȘCA ^{1,2} Bogdan APOSTOL ² Ioana-Maria PLEȘCA ¹ Gabriel DONCEAN ³ Cosmin-Constantin LOGHIN ¹ József Pál FRINK ¹	¹ National Institute for Research and Development in Forestry "Marin Drăcea", Voluntari, Romania; ² Transilvania University of Brașov, Faculty of Silviculture and Forest Engineering, Brașov, Romania; ³ National Forest Administration Romsilva, Iași Forest Directorate, Iași, Romania	Characterization of Natura 2000 protected areas using geodiversity and biodiversity indices
3. Monitoring and Protected Areas; Sustainable Development		
10. Marinela ISTRATE ¹ Ionel MUNTELE ^{1,2}	¹ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ² Geographic Research Center, Iași Branch, Romanian Academy	Romania's contribution to reducing EU dependence on strategic raw materials
11. Petrică-Tudor MOȚIU Voichița TIMIȘ-GÎNSAC Călin-Gheorghe PĂȘCUT	Faculty of Environmental Protection, University of Oradea, Oradea, Romania	Sustainable management of forest ecosystem type 9317 - Black alder riparian forest with Rubus caesius-



Livu BUCUR Stelian NISTOR		Aegopodium (regional variant with hornbeam) in the geographic landscape segment of the western low hills and piedmont plain in the middle basin of the Crișul Negru River (Bihor County)
12. Volodymyr KOSTASHCHUK Halyna KOVBINKA Valentyn VASYLCHAK	Yuriy Fedkovych Chernivtsi National University	Cluster approach as the basis for sustainable development of tourism and recreation in the cross-border region of Bukovyna
13. Alexandra VRÎNCEANU Odelin TALABĂ Monica DUMITRAȘCU Ines GRIGORESCU	Institute of Geography, Romanian Academy, Bucharest	Energia solară fotovoltaică și adaptarea la schimbările climatice
14. Ciprian CHELARIU Luca DIACONU Daniel ȚABĂRĂ	Department of Geology, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Geological storage of CO₂ in depleted hydrocarbon reservoirs of the Eastern Carpathians: A preliminary geochemical, mineralogical, and palynological assessment of reservoir and seal rock storage potential
15. Ioana ZAIȚ ^{1,2} Iuliana-Gabriela BREABĂN ^{2,3,4} Răzvan DEJU ¹ Marius ADUMITROAEI ²	¹ The National Agency for Environment and Protected Areas, Iași, Romania ² "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania ³ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania ⁴ Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department	The invisible value of Bârnova Forest: perceptions of cultural ecosystem services among the local community and urban population
4. Natural and Anthropogenic Environmental Risks		
16. Alin MIHU-PINTILIE ¹ Andrei URZICĂ ² Cristian Constantin STOLERIU ³ Bianca SĂRACU ³ Anamaria HAMZA ³ Claudiu Ionuț PRICOP ³	¹ Department of Exact and Natural Sciences, Institute of Interdisciplinary Research, University "Alexandru Ioan Cuza" of Iași, Romania; ² Research Centre with Integrated Techniques for Atmospheric Aerosol Investigation in Romania, RECENT AIR, Laboratory of Interdisciplinary Research of Mountain Environment, Ion Gugiuman, Rarău Station for Research and Students Fellowships, Câmpulung-Moldovenesc, University "Alexandru Ioan Cuza" of Iași, Romania; ³ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Assessing the severity of pluvial flash floods induced by Storm Boris in SE Romania: A 2D HEC-RAS modeling approach
17. Marina IOSUB Dan LESENCIUC	Department of Geography, Faculty of Geography and Geology, University	Human risk and accessibility assessment around the Ostra tailings



	"Alexandru Ioan Cuza" of Iași, Romania	pond (Suceava County, Romania): A GIS-based spatial analysis
18. Oana-Mihaela TOMA ¹ Ion MITREA ² Rodi MITREA ²	¹ Doctoral School of Plant and Animal Resources Engineering, Faculty of Horticulture, University of Craiova, Craiova, Romania ² University of Craiova, Faculty of Horticulture, Craiova, Romania	Morphological characterization of <i>Drosophila suzukii</i> using scanning electron microscopy
19. Ionuț-Costel CODRU ¹ Lilian NIACȘU ²	¹ Alexandru Ioan Cuza University of Iași, Research Center with Integrated Techniques for Atmospheric Aerosol Investigation in Romania (RECENT-AIR) Iași, Romania ² Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Land-use planning and soil conservation measures for agricultural lands in the Șacovăț watershed
20. Oana-Elena CHELARIU Ionuț MINEA Adrian URSU	Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Integrated assessment of natural hazards for cultural heritage sites. A case study for Suceava County
21. Miruna-Cosmina ZAHARIA	"Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania	Valurile de căldură înregistrate la stația meteorologică Constanța în perioada 1961 – 2024 <i>-Online-</i>
22. Tatiana BUNDUC ¹ Mihai NICULIȚĂ ² Iurii BEJAN ¹ Andra-Cosmina ALBULESCU ² Ioana CHIRIAC ¹ Aliona BOTNARI ¹ Oana-Elena CHELARIU ² Andreea FEDOR ² Mihai-Ciprian MĂRGĂRINT ²	¹ Moldova State University, Institute of Ecology and Geography, Chisinau, Republic of Moldova ² Department of Geography, Faculty of Geography and Geology, University	Assessment of the historical impact of droughts along the Prut Valley by exploiting digital newspaper archives
5. Soil Pollution and Systemic Impact of Land Use Change		
23. Alina-Mihaela CEOROMILA Maricica STOICA Mariana-Carmelia BALANICA-DRAGOMIR	Cross-border Faculty, "Dunărea de Jos" University of Galați, Galați, Romania	Quality of Life Risks of Pesticide Usage in Different Macroregions of Romania
24. Elena-Diana BOBRIC ^{1,2} Alexandra-Petronela STOLERIU ^{1,2} Iuliana-Gabriela BREABĂN ^{1,2}	¹ Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department ² Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Land use and soil organic carbon: a bibliometric analysis of scientific trends and insights
25. Gabriel FÎRȚALĂ	"Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania	Land use transformations in agricultural areas of the North-East Region of Romania in the context of political and environmental change (1990–2023)



6. Education for Environment Protection

26. Léonce Hervé GADIBILO	Université du Québec à Trois-Rivières, Trois-Rivières, Canada	Écotourisme comme levier de développement socio-économique durable et de valorisation du patrimoine culturel en République centrafricaine
27. Diana DOGARU Laura LUPU	Institutul de Geografie al Academiei Române, București, Romania	Land governance in the context of agricultural land fragmentation: a spatio-temporal analysis in southern Romania

-Online-

-Online-

7. Atmospheric Environment and Climate Change

28. Octavian BERCHEZ Olimpia-Smaranda MINTAȘ Călin-Gheorghe PĂȘCUȚ	Faculty of Environmental Protection, University of Oradea, Oradea, Romania	The trophic conditions in the Ineuului plain for agricultural crops
29. Octavian BERCHEZ Olimpia-Smaranda MINTAȘ Călin-Gheorghe PĂȘCUȚ	Faculty of Environmental Protection, University of Oradea, Oradea, Romania	Aridification and desertification evolution of arenosol areas in North- Western Romania, under the impact of climate change: a case study of Șimian, Bihor County
30. Elena GRIGORE Florina TATU Dana-Maria CONSTANTIN (OPREA) Luminița-Costina SAFTOIU	Facultatea de Geografie, București	Romania and its vulnerability to climate risk phenomena
31. Vasile JITARIU Lilian NIACȘU Adrian URSU Pavel ICHIM	Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Climate-induced changes in the growing season for apple and plum orchards in the North-Eastern region of Romania
32. Simona CONDURACHE-BOTA ¹ Romana-Maria DRAȘOVEAN ¹ Gabriel MURARIU ¹ D.-E. CONDURACHE-BOTA ²	¹ Dunărea de Jos University of Galați, Romania; ² Bucharest University of Economic Studies, Faculty of Economic Cybernetics, Statistics and Informatics, Bucharest, Romania	Urban traffic and microclimate dynamics: a case study along a major boulevard in Galați, Romania
33. Romana-Maria DRAȘOVEAN Simona CONDURACHE-BOTA Gabriel MURARIU Nicolae TIGAU	Dunărea de Jos University of Galați, Romania	Spatial and temporal dynamics of ground-level ozone concentration in different areas of the city of Galați
34. Gabriel MURARIU ^{1,2} Romana-Maria DRAȘOVEAN ¹ Simona CONDURACHE-BOTA ¹ Sorin-George FRĂȘINA ³	¹ Dunărea de Jos University of Galați, Romania ² Rexdan Research Infrastructure, "Dunarea de Jos" University of Galați, Galați, Romania ³ Faculty of Sciences and Environment, "Dunarea de Jos" University of Galați	First-order numerical approach to obtain the dynamics of ground concentrations for NO, NO ₂ , and O ₃ during the winter / spring period in the South East of Romania



35. Loredana-Elena HAVRIȘ	Institute of Geography, Bucharest, Romania	Analysis of the spatio-temporal variability of thermo-pluviometric indices characteristic of the Petroșani economic domain <i>-Online-</i>
36. Liliana DRAGOI (ONIU) ¹ Marius-Mihai CAZACU ² Pavel ICHIM ³ Iuliana-Gabriela BREABĂN ^{1,3,4}	¹ "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania ² Department of Physics. Gheorghe Asachi Technical University of Iași: Iași, Romania ³ Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Comparative evaluation of CHIMERE and ENSEMBLE model estimates with in-situ measurements of PM pollution in Iași urban area, Romania
37. Diana DOGARU Marius-Victor BÎRSAN Laura LUPU	Institutul de Geografie al Academiei Române, București, Romania	Spatio-temporal evaluation of the relationship between exposure to drought and agricultural production in Romania <i>-Online-</i>
38. Marius-Victor BÎRSAN Laura LUPU Diana DOGARU	Institutul de Geografie al Academiei Române, București, Romania	Projected biometeorological changes in Romania and Moldova under three SSP climate scenarios <i>-Online-</i>
39. Marius-Victor BÎRSAN ¹ Ion-Andrei NIȚĂ ² Vlad-Alexandru AMIHĂEȘI ^{3,4}	¹ Institute of Geography, Romanian Academy, Bucharest, Romania ² VisualFlow, Bucharest, Romania ³ "Alexandru Ioan Cuza" University of Iași, Faculty of Geography and Geology, Doctoral School of Geosciences, Romania ⁴ National Meteorological Administration, Bucharest, Romania	Influence of large-scale atmospheric circulation on maximum snowpack duration in Romania
8. Environmental Geography and Urban Planning		
40. Ana-Maria ANASTASIEI Marina IOSUB Lilian NIACȘU	Department of Geography, Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iași, Romania	Urban geoheritage and dark tourism: integrating geological identity and historical narratives in Iași, Romania
41. Marius-Victor BÎRSAN ¹ Liana-Ioana VUȚĂ ² Bogdan POPA ² Daniela POPESCU ^{2,3}	¹ Institute of Geography, Romanian Academy, Bucharest, Romania ² National University of Science and Technology POLITEHNICA Bucharest, Romania ³ National Institute of Hydrology and Water Management, Bucharest Romania	Application of the HBV conceptual model on the Ilarion catchment (Western Macedonia, Greece)
42. Ioana ZAIT ^{1,2} Răzvan DEJU ¹	¹ The National Agency for Environment and Protected Areas, Iași, Romania	The Importance of an Interdisciplinary Toolkit for Ecosystem Services



Iuliana-Gabriela
BREABĂ^{2,3,4}

²"Alexandru Ioan Cuza" University of
Iasi, Faculty of Geography and Geology,
Doctoral School of Geosciences,
Romania

³Department of Geography, Faculty of
Geography and Geology, University

"Alexandru Ioan Cuza" of Iași, Romania

⁴Institute of Interdisciplinary Research
- ICI-UAIC, CERNESIM Department

Assessment

9. Water pollution and Waste Management

43. Daniel BOICU¹
Ionuț MINEA²

¹"Alexandru Ioan Cuza" University from
Iasi, Mădârjac Research Station, ICI -
RECENT AIR - RA07

²Department of Geography, Faculty of
Geography and Geology, University
"Alexandru Ioan Cuza" of Iași,
Romania

**Application of satellite data in the
identification of hydrogeological
droughts in hard-to-reach areas**

44. Maria SANDU
Elena MOȘANU
Raisa LOZAN
Anatolie TĂRÎȚĂ

Institute of Ecology and Geography,
Moldavian State University

**Evaluarea procesului de nitrificare din
apele uzate tratate prin tehnologiile de
epurare expertizate și aprobate în
Republica Moldova**

45. Petru PRODAN
Constantin BULIMAGA
Andrian ȚUGULEA

State University, Institute of Ecology
and Geography, Chisinau, Republic of
Moldova

**Evaluation of the quality of the effluent
from the biological treatment plant
using physico-chemical parameters,
Bălți municipality, Republic of Moldova**

46. Liliana-Gabriela ANIȚEI¹
Lucreția MIU²
Marian CRUDU²
Elena BADEA³

¹"Alexandru Ioan Cuza" University of
Iasi, Faculty of Geography and
Geology, Department of Geography,
Romania

²INCOTP - Sucursala Institutul de
cercetare Pielărie Încălțăminte
București, România

³Universitatea Craiova și Universitatea
București, România

**Cercetări privind posibilitatea
conversiei ecologice a unor procese
industriale de producție, utilizând noi
bio-materiale inovative de inspirație
tradițională care îmbină valorificarea
unor extracte din flora spontană cu
elemente de managementul deșeurilor,
economie circulară și prevenire a
poluării apelor**